



JC04 Rec'd PCT/PTO 20 OCT 2005

Patent

Attorney Docket No.

034279-009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

HS

In re Patent Application of

David Philip Williams et al.

Application No.: 10/539,206

Filing Date: June 17, 2005

Title: ENHANCED OPTICAL WAVEGUIDE

Group Art Unit:

Examiner:

Confirmation No.:

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- Charge _____ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of _____ is enclosed for the fee due.
- Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: October 20, 2005

By William C. Rowland
William C. Rowland
Registration No. 30,888



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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David Philip Williams et al.) Group Art Unit:
Application No.: 10/539,206) Examiner:
Filed: June 17, 2005) Confirmation No.:
For: ENHANCED OPTICAL WAVEGUIDE)
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FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The Examiner's attention is directed to copending Serial No. 11/155,648.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date October 20, 2005

By: William C. Rowland
William C. Rowland
Registration No. 30,888

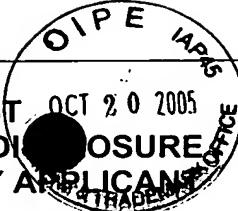
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FIRST OCT 20 2005

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2



Complete if Known	
Application Number	10/539,206
Filing Date	June 17, 2005
First Named Inventor	David Philip Williams et al.
Examiner Name	
Attorney Docket Number	034279-009

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*Great Britain Search Report dated April 10, 2003 for GB 0306606.5
	*Great Britain Search Report dated January 28, 2004 for GB 0314485.4
	*BIRKS et al., "Full 2-D Photonic Bandgaps In Silica/Air Structures, Electronics Letters, October 26, 1995, pages 1941-1942, Vol 31, No. 22
	*ALLAN et al., "PHOTONIC CRYSTAL FIBERS: EFFECTIVE-INDEX AND BAND-GAP GUIDANCE" from the book " Photonic Crystal and Light Localization in the 21 st Century", C.M. Soukoulis (ed.), © 2001 Kluwer Academic Publishers, pages 305-320, Netherlands
	*VENKATARAMAN et al., "Low Loss (13dB/km) Air Core Photonic Band-Gap Fibre", Post-deadline session 1 :PD1.1 2002
	LITCHINITSER et al., "Antiresonant Reflecting Photonic Crystal Optical Waveguides", Optics Letters, September 15, 2002, pages 1592-1594,

*Copy Enclosed

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.